

## A B S T R A C T

AN ELECTRONIC DISPLAY DEVICE AND A FLUID DISPENSER DEVICE  
INCLUDING SUCH A DISPLAY DEVICE

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An electronic display device (20) including a  
display member (21), said device being characterized in  
that said display member (21) is permanent so that no  
energy is required to keep the display unchanged, said  
10 display device (20) operating without a battery, the  
energy required to change the display being created by  
interaction between two elements, such as by friction or  
by an impact, thereby creating an electric pulse, said  
pulse being processed by an electronic circuit (25)  
15 before being applied to the display member (21) in order  
to change its display.

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35 Translation of the title and the abstract as they were when originally filed by the  
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38.2, and/or 48.3.